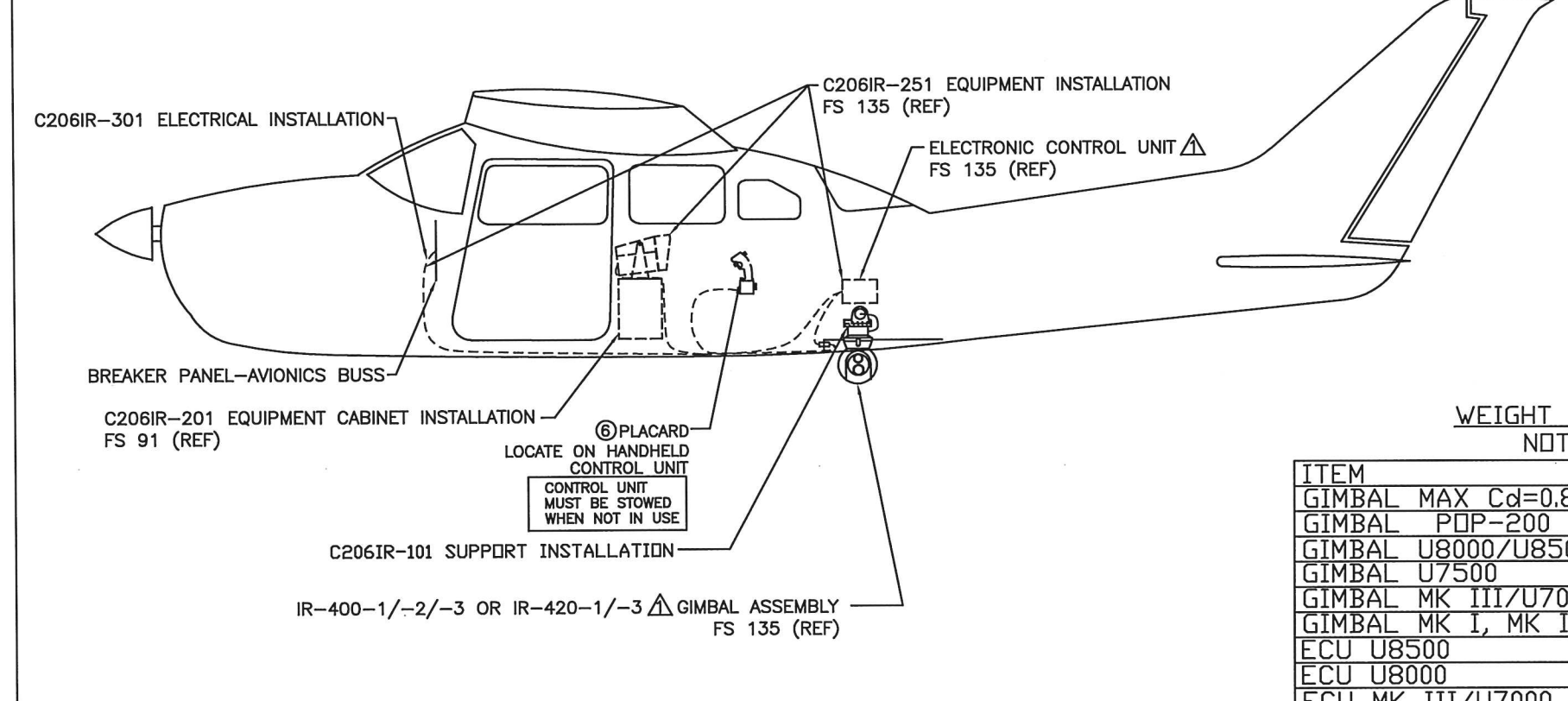


| CAMERA SYSTEM MODEL / P/N  | INSTALLATION  | MODEL EFFECT'Y | SUP'RT INST'N | EQUIP. CABINET | EQUIPMENT INST'N | ELECTRICAL INST'N | IR ADAPTER |
|--|---------------|----------------|---------------|----------------|------------------|-------------------|------------|
| MK-I P/N 10369-200 (REF) & MK-II P/N 10369-202/204 (REF)                     | C206IR-100-1  | TU206G         | C206IR-101-1  | C206IR-201-1   | C206IR-251-2 #   | C206IR-301-1      | *IR-420-3  |
|  | C206IR-100-2  | 206H, T206H    | +C206IR-101-3 | C206IR-201-2   | C206IR-251-2 #   | C206IR-301-1      | *IR-420-3  |
| MK-III/U7000 P/N 10369 205/255/206/256 (REF) & U7500 P/N 17500-200/250 (REF) | C206IR-100-3  | TU206G         | C206IR-101-2  | C206IR-201-1   | C206IR-251-2 #   | C206IR-301-2      | *IR-420-3  |
|  | C206IR-100-4  | 206H, T206H    | +C206IR-101-3 | C206IR-201-2   | C206IR-251-2 #   | C206IR-301-2      | *IR-420-3  |
|  | C206IR-100-5  | TU206G         | C206IR-101-2  | C206IR-201-1   | C206IR-251-2 #   | C206IR-301-3      | *IR-420-3  |
| U8000 P/N 19208-204/254 (REF) & U8500 P/N 19208-200/201/250/251 (REF)        | C206IR-100-6  | 206H, T206H    | +C206IR-101-3 | C206IR-201-2   | C206IR-251-2 #   | C206IR-301-3      | *IR-420-3  |
|  | C206IR-100-7  | TU206G         | C206IR-101-2  | C206IR-201-1   | C206IR-251-2 #   | C206IR-301-4      | IR-400-2   |
|  | C206IR-100-8  | 206H, T206H    | +C206IR-101-3 | C206IR-201-2   | C206IR-251-2 #   | C206IR-301-4      | IR-400-2   |
| GENERIC  | C206IR-100-9  | TU206G         | C206IR-101-4  | C206IR-201-1   | C206IR-251-2 #   | NONE              | IR-400-3   |
|  | C206IR-100-10 | 206H, T206H    | C206IR-101-4  | C206IR-201-2   | C206IR-251-2 #   | NONE              | IR-400-3   |

+C206IR-101-2 OPTIONAL  
\*IR-400-1 OPTIONAL  
#C206IR-251-1 OPTIONAL  
⚠ DOES NOT APPLY TO POP-200

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
-100 HOUR INSPECTION - AND WHEN CONFIGURATION CHANGE IS MADE  
INSPECT ELECTRONICS SUPPORT MODULE INSTALLATION BRACKETS AND BEAMS FOR CRACKS, AND INSTALLATION SECURITY.  
INSPECT SENSOR MOUNT BRACKET AND NEARBY AIRCRAFT STRUCTURE FOR CRACKS.  
INSPECT ELECTRICAL CABLES FOR CHAFING, AND SECURITY.



**SENSOR INSTALLATION:**

- SLIDE THE GIMBAL MOUNT ASSEMBLY, IR-1040-1, INTO THE INSTALLED SUPPORT BRACKET, IR-1010-1.
- SLIP THE SENSOR CABLE(S) THROUGH THE MOUNT ASSEMBLY TUBE. FIT CAPS, IR-1050-1 OR -2 AND IR-1070-1 OR -2, AROUND THE CABLE(S) AND THROUGH THE BRACKET ASSEMBLY.
- INSTALL IR-1060-1 BOLT THROUGH THE TUBE ASSEMBLY, TIGHTEN TO 25-35 INCH-LB. REFER TO ICA PR-C206IR-120M FOR REMAINING FASTENER TORQUE VALUES
- REMOVE THE LOCK-SHAFT AT THE FORWARD EDGE OF THE GIMBAL MOUNT BRACKET.
- SLIDE THE GIMBAL SUPPORT PLATE INTO THE MOUNT CHANNELS.
- RE-INSTALL THE LOCK SHAFT, IN FRONT OF THE SAFETY STOP, AND TIGHTEN. INSTALL THE HAIRPIN CLIP.
- INSTALL THE SENSOR CABLE(S) TO THEIR PROPER RECEPTACLE(S) ON THE GIMBAL.

NOTE: REFER TO FLIR/INFRAMETRICS/IAI DATA TO ENSURE PROPER CABLE INSTALLATION. WHEN SENSOR IS NOT INSTALLED, STOW CABLE(S) ON BLANK RECEPTACLE(S).

**ELECTRONIC CONTROL UNIT (ECU) INSTALLATION**

- REMOVE CLIP FROM RAIL ASSEMBLY IN ECU MOUNT (TOP OF BRACKET ASSEMBLY IN BAGGAGE COMPARTMENT). MOVE THE SLIDING SHAFTS AWAY FROM THE KEYHOLES IN THE RAIL ASSEMBLY.
- FIT THE BUTTONS ON THE ECU INTO THE KEYWAYS, AND SLIDE THEM INTO THE KEYWAY SLOTS.
- MOVE THE SLIDING SHAFTS AGAINST THE ECU AND TIGHTEN THE LOCK KNOBS. REPLACE THE CLIP.
- INSTALL SYSTEM CABLES.

NOTE: REFER TO COMPONENT MFG'S DATA TO ENSURE PROPER CABLES INSTALLATION.

-CONFIDENTIAL INFORMATION-  
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE; AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

N/C

| SHEET | REV | ECO | DATE     | DESCRIPTION  | BY  | CHK | APR |
|-------|-----|-----|----------|--|-----|-----|-----|
| 1     | A   |     | 10/27/00 | DELETED SH2, UPDATED FORMAT  | MR  | LS  | MR  |
| 1     | B   |     | 08/02/02 | ADDED -3/-4 INSTALLATIONS TO INCLUDE MK-III/U7000 AND U7500 CAMERA SYSTEMS. UPDATED W&B DATA.  | MR  | LS  | MR  |
| 1     | C   |     | 12/01/03 | ADDED -2 & -4 INSTALLATIONS FOR 206H, ADDED IR-420-1.  | RJY | LS  | RJY |
| 1     | D   |     | 05/28/04 | ADDED -5 & -6 INSTALLATIONS FOR U8000 & U8500 CAMERA SYSTEMS. ADDED IR-420-3 APPLICABILITY   | REB | LS  | REB |
| 1     | E   |     | 02/16/05 | ADDED -7 & -8 INST'S FOR POP-200 CAMERA SYSTEMS.   | REB | LS  | REB |
| 1     | F   |     | 02/01/08 | IR-420-3 WAS IR-400-1  | REB | LS  | REB |
| 1     | G   |     | 12/27/13 | ADDED -9 & -10   | JT  | LS  | JT  |
| 1     | H   |     | 06/05/14 | CHANGED C206IR-101-2 TO C206IR-101-3 FOR THE C206IR-100-9; DELETED '+' FROM C206IR-101-3 ON C206IR-100-10; ADDED C206IR-251-2 TO -7, -8, -9 & -10 INSTALLATIONS.                               | JT  | LS  | JT  |
| 1     | H   | 1   | 02/09/15 | ADDED ITEM #6 PLACARD.   | JT  | LS  | JT  |
| 1,BOM | J   |     | 08/08/19 | CHANGED GENERIC SUP'RT INST'NS -9 AND -10 ITEM #1 FROM C206-101-3 TO C206-101-4. CHANGED SENSOR INST'N NOTE 3 TO CLARIFY TORQUE VALUES. CHANGED ECU INST'N NOTE 4 FOR GENERIC COMPONENT MFG'S. | DT  | LS  | DT  |

**WEIGHT AND BALANCE DATA:**  
NOTE: WEIGHT AND BALANCE CALCULATIONS MUST INCLUDE INSTALLED EQUIPMENT.

| ITEM  | WT. (LBS) | F.S. (IN) | MOMENT (LB-IN) |
|---|-----------|-----------|----------------|
| GIMBAL MAX Cd=0.85 Swet=137in^2 height=14.3in | 37.1      | 135       | 5009           |
| GIMBAL POP-200                                | 36.4      | 135       | 4914           |
| GIMBAL U8000/U8500                            | 29.0      | 135       | 3915           |
| GIMBAL U7500                                  | 26.4      | 135       | 3564           |
| GIMBAL MK III/U7000                           | 26        | 135       | 3510           |
| GIMBAL MK I, MK II                            | 28        | 135       | 3780           |
| ECU U8500                                     | 15.5      | 135       | 2093           |
| ECU U8000                                     | 14.9      | 135       | 2012           |
| ECU MK III/U7000, U7500                       | 8.5       | 135       | 1148           |
| ECU MK I, MK II                               | 11.0      | 135       | 1485           |
| GIMBAL SUPPORT TUBE                           | 5.0       | 135       | 675            |
| IR-400-1 GIMBAL ADAPTER                       | 4.0       | 135       | 540            |
| IR-400-2 GIMBAL ADAPTER                       | 1.2       | 135       | 162            |
| IR-400-3 GIMBAL ADAPTER                       | 1.6       | 135       | 216            |
| IR-420-1 GIMBAL ADAPTER                       | 9.1       | 135       | 1229           |
| IR-420-3 GIMBAL ADAPTER                       | 8.2       | 135       | 1107           |

NOTE: EQUIPMENT CABINET WEIGHT VARIES DEPENDING ON CABINET COMPONENT INSTALLATION. CABINET & INSTALLED COMPONENTS SHOULD BE WEIGHED & NOTED PRIOR TO EACH INSTALLATION. TOTAL WEIGHT OF CABINET INSTALLATION MUST NOT EXCEED 38-lbs.

| TITLE  |           |          |          | DRAWING NO. |     |
|--|-----------|----------|----------|-------------|-----|
| C206IR SYSTEM CONFIGURATION  |           |          |          | C206IR-100  |     |
| DRAWN BY   | APRVD. BY | CHK'D BY | DATE     | REV         | ECO |
| RHSM   | REB       | LS       | 03/19/97 | J           |     |
| DO NOT SCALE DRAWING   |           |          |          | SHEET       |     |
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DIMENSIONS IN INCHES  
TOLERANCES EXCEPT WHERE NOTED:  
.X = ± .1  
.XX = ± .05  
.XXX = ± .010  
ANGLES = ± 1°

Bill of Materials

\*C206IR-100-1, REV. J

| ITEM # | P/N                   | DESCRIPTION                       | QTY | TYP |
|--------|-----------------------|-----------------------------------|-----|-----|
| 0      | *C206IR-100-1, REV. J | C206IR SYSTEM CONFIGURATION       | 1   | KIT |
| 1      | C206IR-101-1          | SUPPORT INST'N                    | 1   | EA  |
| 2      | C206IR-201-1          | EQUIP. CABINET INST'N             | 1   | EA  |
| 3      | C206IR-251-2          | EQUIP. INST'N (OPT: C206IR-251-1) | 1   | EA  |
| 4      | C206IR-301-1          | ELECTRICAL INST'N                 | 1   | EA  |
| 5      | IR-420-3              | ADAPTER (ALT: IR-400-1)           | 1   | EA  |
| 6      | C210IR-5000-3         | PLACARD                           | 1   | EA  |

Bill of Materials

\*C206IR-100-2, REV. J

| ITEM # | P/N                   | DESCRIPTION                       | QTY | TYP |
|--------|-----------------------|-----------------------------------|-----|-----|
| 0      | *C206IR-100-2, REV. J | C206IR SYSTEM CONFIGURATION       | 1   | KIT |
| 1      | C206IR-101-3          | SUPPORT INST'N                    | 1   | EA  |
| 2      | C206IR-201-2          | EQUIP. CABINET INST'N             | 1   | EA  |
| 3      | C206IR-251-2          | EQUIP. INST'N (OPT: C206IR-251-1) | 1   | EA  |
| 4      | C206IR-301-1          | ELECTRICAL INST'N                 | 1   | EA  |
| 5      | IR-420-3              | ADAPTER (ALT: IR-400-1)           | 1   | EA  |
| 6      | C210IR-5000-3         | PLACARD                           | 1   | EA  |



Bill of Materials

\*C206IR-100-3, REV. J

| ITEM # | P/N                   | DESCRIPTION                                    | QTY | TYP |
|--------|-----------------------|--|-----|-----|
| 0      | *C206IR-100-3, REV. J | C206IR SYSTEM CONFIGURATION                    | 1   | KIT |
| 1      | C206IR-101-2          | SUPPORT INST'N                                 | 1   | EA  |
| 2      | C206IR-201-1          | EQUIP. CABINET INST'N                          | 1   | EA  |
| 3      | C206IR-251-2          | EQUIP. INST'NEQUIP. INST'N (OPT: C206IR-251-1) | 1   | EA  |
| 4      | C206IR-301-2          | ELECTRICAL INST'N                              | 1   | EA  |
| 5      | IR-420-3              | ADAPTER (ALT: IR-400-1)                        | 1   | EA  |
| 6      | C210IR-5000-3         | PLACARD  | 1   | EA  |

Bill of Materials

\*C206IR-100-4, REV. J

| ITEM # | P/N                   | DESCRIPTION                       | QTY | TYP |
|--------|-----------------------|-----------------------------------|-----|-----|
| 0      | *C206IR-100-4, REV. J | C206IR SYSTEM CONFIGURATION       | 1   | KIT |
| 1      | C206IR-101-3          | SUPPORT INST'N                    | 1   | EA  |
| 2      | C206IR-201-2          | EQUIP. CABINET INST'N             | 1   | EA  |
| 3      | C206IR-251-2          | EQUIP. INST'N (OPT: C206IR-251-1) | 1   | EA  |
| 4      | C206IR-301-2          | ELECTRICAL INST'N                 | 1   | EA  |
| 5      | IR-420-3              | ADAPTER (ALT: IR-400-1)           | 1   | EA  |
| 6      | C210IR-5000-3         | PLACARD                           | 1   | EA  |

Bill of Materials

\*C206IR-100-5, REV. J

| ITEM # | P/N                   | DESCRIPTION                       | QTY | TYP |
|--------|-----------------------|-----------------------------------|-----|-----|
| 0      | *C206IR-100-5, REV. J | C206IR SYSTEM CONFIGURATION       | 1   | KIT |
| 1      | C206IR-101-2          | SUPPORT INST'N                    | 1   | EA  |
| 2      | C206IR-201-1          | EQUIP. CABINET INST'N             | 1   | EA  |
| 3      | C206IR-251-2          | EQUIP. INST'N (OPT: C206IR-251-1) | 1   | EA  |
| 4      | C206IR-301-3          | ELECTRICAL INST'N                 | 1   | EA  |
| 5      | IR-420-3              | ADAPTER (ALT: IR-400-1)           | 1   | EA  |
| 6      | C210IR-5000-3         | PLACARD                           | 1   | EA  |

Bill of Materials

\*C206IR-100-6, REV. J

| ITEM # | P/N                   | DESCRIPTION                       | QTY | TYP |
|--------|-----------------------|-----------------------------------|-----|-----|
| 0      | *C206IR-100-6, REV. J | C206IR SYSTEM CONFIGURATION       | 1   | KIT |
| 1      | C206IR-101-3          | SUPPORT INST'N                    | 1   | EA  |
| 2      | C206IR-201-2          | EQUIP. CABINET INST'N             | 1   | EA  |
| 3      | C206IR-251-2          | EQUIP. INST'N (OPT: C206IR-251-1) | 1   | EA  |
| 4      | C206IR-301-3          | ELECTRICAL INST'N                 | 1   | EA  |
| 5      | IR-420-3              | ADAPTER (ALT: IR-400-1)           | 1   | EA  |
| 6      | C210IR-5000-3         | PLACARD                           | 1   | EA  |

Bill of Materials

\*C206IR-100-7, REV. J

| ITEM # | P/N                   | DESCRIPTION                 | QTY | TYP |
|--------|-----------------------|-----------------------------|-----|-----|
| 0      | *C206IR-100-7, REV. J | C206IR SYSTEM CONFIGURATION | 1   | KIT |
| 1      | C206IR-101-2          | SUPPORT INST'N              | 1   | EA  |
| 2      | C206IR-201-1          | EQUIP. CABINET INST'N       | 1   | EA  |
| 4      | C206IR-301-4          | ELECTRICAL INST'N           | 1   | EA  |
| 5      | IR-400-2              | ADAPTER                     | 1   | EA  |
| 6      | C210IR-5000-3         | PLACARD                     | 1   | EA  |



Bill of Materials

\*C206IR-100-8, REV. J

| ITEM # | P/N                   | DESCRIPTION                 | QTY | TYP |
|--------|-----------------------|-----------------------------|-----|-----|
| 0      | *C206IR-100-8, REV. J | C206IR SYSTEM CONFIGURATION | 1   | KIT |
| 1      | C206IR-101-3          | SUPPORT INST'N              | 1   | EA  |
| 2      | C206IR-201-2          | EQUIP. CABINET INST'N       | 1   | EA  |
| 4      | C206IR-301-4          | ELECTRICAL INST'N           | 1   | EA  |
| 5      | IR-400-2              | ADAPTER                     | 1   | EA  |
| 6      | C210IR-5000-3         | PLACARD                     | 1   | EA  |

Bill of Materials

\*C206IR-100-9, Rev J

| ITEM # | P/N                  | DESCRIPTION                 | QTY | TYP |
|--------|----------------------|-----------------------------|-----|-----|
| 0      | *C206IR-100-9, Rev J | C206IR SYSTEM CONFIGURATION | 1   | KIT |
| 1      | C206IR-101-4         | SUPPORT INST'N              | 1   | EA  |
| 2      | C206IR-201-1         | EQUIP. CABINET INST'N       | 1   | EA  |
| 3      | C206IR-251-2         | EQUIPMENT INST'N            | 1   | EA  |
| 5      | IR-400-3             | ADAPTER                     | 1   | EA  |
| 6      | C210IR-5000-3        | PLACARD                     | 1   | EA  |

Bill of Materials

\*C206IR-100-10, Rev J

| ITEM # | P/N                   | DESCRIPTION                 | QTY | TYP |
|--------|-----------------------|-----------------------------|-----|-----|
| 0      | *C206IR-100-10, Rev J | C206IR SYSTEM CONFIGURATION | 1   | KIT |
| 1      | C206IR-101-4          | SUPPORT INST'N              | 1   | EA  |
| 2      | C206IR-201-2          | EQUIP. CABINET INST'N       | 1   | EA  |
| 3      | C206IR-251-2          | EQUIPMENT INST'N            | 1   | EA  |
| 5      | IR-400-3              | ADAPTER                     | 1   | EA  |
| 6      | C210IR-5000-3         | PLACARD                     | 1   | EA  |